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09/444,121	11/19/1999	SANAA F. ABDELHADI	AUS990796US1	8236

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DUKE W YEE CARSTENS  
YEE AND CAHOON LLP  
P O BOX 802334  
DALLAS, TX 75380

EXAMINER

NGUYEN, CHAU T

ART UNIT

PAPER NUMBER

2152

DATE MAILED: 05/31/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

*mu*

**Office Action Summary**

Application No.

09/444,121

Applicant(s)

ABDELHADI ET AL.

Examiner

Chau Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 19 November 1999.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-34 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-34 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)                      4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)                      5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_                      6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

1. Claims 1-34 are presented for examination.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 1-14, 19-31, and 33-34 are rejected under 35 U.S.C. 102(e) as being unpatentable by Brobst et al (Brobst), Patent No. 6,061,700.

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4. As to claim 1, Brobst teaches the invention as claimed, a method in data processing system for printing web pages, the method comprising the data processing system implemented steps of:

receiving a request a web page; (col. 3, lines 12-40; receives a web page request, then prints related web pages);

printing the web page and each web page associated with the web page (Abstract). .

5. As to claim 2, Brobst teaches the invention as claimed, the printing step prints the Web page in each Web page associated with the Web page on selected levels below the Web page (col. 5, line 42 – col. 6 line 42).

6. As to claim 3, Brobst teaches the printing step comprising: sending the web page and each web page associated with the web page on selected levels below the web page to a printer (col. 3, line 66 – col. 4, line 11).

7. As to claim 4, Brobst teaches the printing step comprising: sending the web page and each web page associated with the web page on selected levels below the web page to a display device (col. 3, line 66 – col. 4, line 11).

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8. As to claim 5, Brobst teaches the printing step comprising: sending the web page and each web page associated with the web page on selected levels below the web page to a file (col. 3, line 66 – col. 4, line 11).

9. As to claim 6, Brobst teaches the data processing system is a client computer (col. 2, line 59 – col. 3, line 11; also note Fig. 2; workstation 200).

10. As to claim 7, Brobst teaches the data processing system is a web server (col. 2, line 59 – col. 3, line 11; also note Fig. 2; web server 220).

11. As to claim 8, Brobst teaches the invention as claimed, a method in data processing system for printing web pages, the method comprising the data processing system implemented steps of:

responsive to an input selecting a current web page, determining whether a maximum depth for printing has been reached (col. 5, lines 42-67; on one selected web page, a user defines the nesting level, determines the depth into the nesting tree 400);

identifying a set of universal resource identifiers located within the current web page in response to the maximum depth being unreached (col. 6, line 54 – col. 7, line 19; when all web pages and their digging levels have been defined, a URL list of the web pages and the associated digging level is created);

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retrieving the web page identified by the set of uniform resource locators (col. 7, lines 29-60; for each URL in the URL list, the URL is added to the URL container for retrieving);

printing each web page retrieved (col. 6, line 54 – col. 7, line 19; appending all related web pages together and print them).

12. As to claim 9, Brobst teaches the invention as claimed, repeating the determining, identifying, retrieving, and printing steps for each web page until the maximum depth has been reached (col. 6, line 54 – col. 7, line 19; Also note Fig. 6, 7, 8 and 9).

13. As to claim 10, Brobst teaches the invention as claimed, printing step comprises sending each web page to an output device (col. 3, line 55 – col. 4, line 11).

14. As to claim 11, Brobst teaches the invention as claimed, the output device is a printer (col. 3, line 55 – col. 4, line 11).

15. As to claim 12, Brobst teaches the invention as claimed, the output device is a display device (col. 3, line 55 – col. 4, line 11).

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16. As to claim 13, Brobst teaches the invention as claimed, the data processing system is a client computer (col. 2, line 59 – col. 3, line 11; also note Fig. 2; workstation 200).

17. As to claim 14, Brobst teaches the invention as claimed, the data processing system is a web server (col. 2, line 59 – col. 3, line 11; also note Fig. 2; web server 220).

18. As to claim 19, Brobst teaches the invention as claimed, a data processing system for printing web pages, the data processing system comprising:

receiving means for receiving a request to print a web page (col. 3, lines 12-40);

printing means for printing the web page and each web page associated with the web page on selected levels below the web page (Abstract; each web page and related pages to the web page are printed).

19. As to claim 20, Brobst teaches the invention as claimed, printing means comprises sending means for sending the web page and each web page associated with the web page on selected levels below the web page to a printer (col. 6, line 54 – col. 7, line 19).

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20. As to claim 21, Brobst teaches printing means comprises sending means for sending the web page and each web page associated with the web page on selected levels below the web page to a display device (col. 6, line 54 – col. 7, line 19).

21. As to claim 22, Brobst teaches printing means comprises sending means for sending the web page and each web page associated with the web page on selected levels below the web page to a file (col. 6, line 54 – col. 7, line 19).

22. As to claim 23, Brobst teaches the data processing system is a client computer (col. 2, line 59 – col. 3, line 11; also note Fig. 2; workstation 200).

23. As to claim 24, Brobst teaches the data processing system is a web server (col. 2, line 59 – col. 3, line 11; also note Fig. 2; web server 200).

24. Claims 25-31, 33-34 are corresponding system and product claims containing the similar limitations as the methods described in claims 1-14 and 19-24; therefore, they are rejected under the same rationale.

***Claim Rejections - 35 USC § 103***

25. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:



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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

26. Claims 15 and 32 is rejected under 35 U.S.C. 103(a) as being unpatentable over Brobst et al (Brobst) and further in view of Dubbels et al (Dubbels), Patent No. 6,222,634.

27. As to claim 15, Brobst teaches the invention as claimed, the determining, identifying, retrieving, and printing steps are performed (col. 6, line 54 – col. 7, line 19; Also note Fig. 6, 7, 8 and 9). However, Brobst does not teach the determining, identifying, and retrieving steps are performed in a web server and wherein the printing step is performed in a client computer. Dubbels teaches a web page parsing and linking mechanism 350 is performed in a web server, and printing mechanism is performed in a web client (col. 5, line 40 – col. 6, line 61). Since Dubbels teaches these limitations in an environment such as a system for printing related web pages (levels below a selected web page) which is similar to the system of Brobst, thus, it would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to combine the teachings of Brobst and Dubbels to include the determining, identifying, and retrieving steps are performed in a web server and wherein the printing step is performed in a client computer in order to make the system more efficient.

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28. Claims 32 is corresponding system claim containing the similar limitations as the methods described in claim 15; therefore, it is rejected under the same rationale.

29. Claims 16-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brobst et al (Brobst) and further in view of Narayanaswami et al (Narayanaswami), UK Patent Application No. 2,332,543.

30. As to claim 16, Brobst teaches the invention as claimed, a method for printing items comprising the data processing system implemented steps of:

receiving a request to print a current item, wherein additional items are associated with the current item in relationship in which the additional items are on levels below the current item (col. 5, lines 42-67; on one selected web page, a user defines the nesting level, determines the depth into the nesting tree 400);

printing the current item (col. 2, line 59 – col. 3, line 40);

However, Brobst does not teach determining whether additional items on levels below the current item are to be printed and responsive to a determination that additional items are to be printed, printing the additional items. Narayanaswami teaches a user is able to select from a listing of the hyperlinks available on a target page for subsequent print selection such as print current page, print to level, print designated selections, and print "All But" selection (Abstract; Also note page 12, lines 7 – line 46). Since Narayanaswami teaches these limitations in an environment such as a system for printing Internet document which is similar to the system of Brobst, thus, it

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would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to combine the teachings of Brobst and Narayanaswami to include determining whether additional items on levels below the current item are to be printed and responsive to a determination that additional items are to be printed, printing the additional items in order to make the system more efficient.

31. As to claim 17, Brobst- Narayanaswami teach the invention as claimed, the items are web pages associated using universal resource identifiers (Brobst, col. 7, lines 29-59).

32. As to claim 18, Brobst- Narayanaswami teach the invention as claimed, the items are files associated using directories (Brobst, col. 3, line 66 – col. 4, line 11).

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***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chau Nguyen whose telephone number is (703)305-4639. The Examiner can normally be reached on Monday-Friday from 7:30am to 4:30pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Mark Rinehart, can be reached at (703) 305-4815.

The fax phone numbers for the organization where this application is assigned are as follows:

(703) 746-7238 (After Final Communications only)

(703) 746-7239 (Official Communications)

(703) 746-7240(for Official Status Inquiries, Draft Communications only)

Inquiries of a general nature relating to the general status of this application or proceeding should be directed to the 2100 Group receptionist whose telephone number is (703) 305-3900.

Chau Nguyen  
Patent Examiner  
Art Unit 2152

  

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LE HIEN LUU  
PRIMARY EXAMINER